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PTO/SR/05 (11-00)

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE on of information unless it displays a valid OMB control number Under the Paperwork Reduction Act of 1995, no persons are requ Attorney Docket No. ARE0005 UTILITY First Inventor Wolfgang Buchalla et al. PATENT APPLICATION Title LUMINESCENCE ASSISTED CARIES EXCAVATION TRANSMITTAL Express Mail Label No EL 731283195US APPLICATION ELEMENTS ADDRESS TO: Box Patent Application Washington, D.C. 20231 See MPEP chapter 600 concerning utility patent application contents Fee Transmittal Form (e.g., PTO/SB/17) 7. CD-ROM or CD-R in duplicate, large table or (Submit an original, and a duplicate for fee processing)

2. 🗸 Å	pplicant claims small entity status. ee 37 CFR 1.27.			otide and/or Ami licable, all necessar	no Acid	Sequence Submission	K	
(r	pecification [Total Pag velered arrangement set forth below) Descriptive title of the invention Cross Reference to Related Applicati Statement Regarding Fed sponsored Reference to sequence listing, a table or a computer program listing append Background of the Invention Brief Summary of the Invention Brief Description of the Drawings (If Its	ons R & D B, lix	a b. c.	Specification So i. CD-iii. pape	equenc ROM or er nts verif	able Form (CRF) se Listing on: c CD-R (2 copies); or ying identity of above cop		
-1	Detailed Description Claim(s) Abstract of the Disclosure	,	9	37 CFR 3.73(b) (when there is an a	Statem ssignee,			
5. Oath or I a. [b. [6.	Newly executed (original or oc Copy from a prior application in (for continuation/divisional wife). i. DELETION DE INVENT. and in the prior application in the prior application and in the prior application patient. In the prior application Data Sheet. See 37 CFR 1 NTINIUNIG APPLICATION, check application Data Sheet under 37 CFR 1 2 CFR 1 and 2 CFR 1 and 2 CFR 2 CFR 1 and 2 CFR 2 C	es 1 j py) 37 CFR 1.63(d)) 18 completed) TOR(S) token in the second of t	(CIP) of p	Information Disc Statement (IDS) Preliminary Ame Return Receipt I (Should be specific Certified Copy of If breign priority is Request and Ce (b)(2)(B)(i). App or its equivalent. Other: Check Note information belo- rior application No-	losure IPTO-1 Indmen Postcan ally item Priority claimed rtificatio licant m v and in	Copies of IDS Citations (AMPEP 503) If (IMPEP	35	
TOTOTOTION: TI	19.	CORRESPON	DENCE AL	DRESS	ule sul	mitted application parts.		
X Custor	mer Number or Bar Code Label (Insert C	000832 ustomer No. or Attac		or [□ Cor	respondence address below		
.,	Michael D. Schwartz							
Name	BAKER & DANIELS							
Address	111 East Wayne Street, Suite 800							
City	Fort Wayne	State	N .	Zin	Code	46802		
Country	US		219-424-8000		Fax	219-460-1700	_	
Name ((Pant/Type) Michael D. Schwartz	, ,		stration No. (Attorne		44,326	$\overline{}$	

Burden Hor Statement. The form is estimated to take 0.2 board in complete. Three will vary deprending upon the reades of the invavaluations of the provided in the comments on the amount of time you are required to complete this form about the search of Officer LIS. Pleater and Telestenes (Officer LIS. Pleater Application, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO. Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Date

April 16, 2001

FEE TRANSM	/IITTAL	Co	omplete if Known
for FY 20		Application Number	
101 F 1 20	וטי	Filing Date	
		First Named Inventor	Wolfgang Buchalla et al.
Patent fees are subject to annu	al revision	Examiner Name	
		Group Art Unit	
TOTAL AMOUNT OF PAYMENT	\$565.00	Attorney Docket No.	ARE0005

METHOD OF PAYMENT	FEE CALCULATION (continued)					
The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to.		3. ADDITIONAL FEES Large Entity Small Entity				
Deposit Account 02-0385	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Number	105	130	205		Surcharge - late filing fee or oath	
Deposit Account Name BAKER & DANIELS	127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
Charge Any Additional Fee Required	139	130	139	130	Non - English specification	
Under 37 CFR §§ 1 16 and 1 17	147	2,520	147	2,520	For filing a request for ex parte reexamination	
Applicant claims small entity status See 37 CFR § 1.27	112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
2. Payment Enclosed:	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
Check Credit card Money Other	115	110	215	55	Extension for reply within first month	
FEE CALCULATION	116	390	216	195	Extension for reply within second month	
1. BASIC FILING FEE	117	890	217	445	Extension for reply within third month	
Large Entity Small Entity	118	1,390	218	695	Extension for reply within fourth month	
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	128	1,890	228	945	Extension for reply within fifth month	
101 710 201 355 Utility filing fee 355.00	119	310	219	155	Notice of Appeal	
106 320 206 160 Design filing fee	120	310	220	155	Filing a brief in support of an appeal	
107 490 207 245 Plant filing fee	121	270	221	135	Request for oral hearing	
108 710 208 355 Reissue filing fee	138	1,510	138	1,510	Petition to institute a public use proceeding	
114 150 214 75 Provisional filing fee	140	110	240	55	Petition to revive - unavoidable	
SUBTOTAL (1) \$355,00		1,240	241	620	Petition to revive - unintentional	
2. EXTRA CLAIM FEES	142	1,240	242	620	Utility issue fee (or reissue)	
Fee from	143	440	243	220	Design issue fee	
Extra Claims Delow Fee Paid		600	244	300	Plant issue fee	
		130	122	130	Petitions to the Commissioner	
		50	123	50	Processing fee under 37 CFR § 1 17(q)	
Large Entity Small Entity		180	126	180	Submission of Information Disclosure Statement	
Fee Fee Fee Fee Description Code (\$) Code (\$)	581	40	581	40	Recording each patent assignment per property (times number of properties)	
103 18 203 9 Claims in excess of 20 102 80 202 40 Independent claims in excess of 3	146	710	246	355	Filing a submission after final rejection (37 CFR § 1 129(a))	
102 80 202 40 Independent claims in excess of 3 104 270 204 135 Multiple dependent claim, if not paid	149	710	249	355	For each additional invention to be examined	$\overline{}$
109 80 209 40 ** Reissue independent claims	179	710	279	355	(37 CFR § 1.129(b)) Request for Continued Examination (RCE)	=
over original patent	169	900	169	900	Request for expedited examination	
110 18 210 9 ** Reissue claims in excess of 20 and over original patent		of a design application Other fee (specify)				
SUBTOTAL (2) \$210.00	Out		op cony,			
The same to the sa	*Red	luced b	v Rasio	Filing	Fee Paid SUBTOTAL (3)	
"or number previously paid, if greater; For Reissues, see above	, vec	oou D	, Dualo	9		

SUBMITTED BY Registration No Name (Print/Type Michael D. Schwartz 44.326 Telephone 219-424-8000 Signature Date April 16, 2001

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CERTIFICATE OF	MAILING BY "EXPRESS N	MAIL" (37 CFR 1.10)	Docket No.				
Applicant(s): Wolfgang Buchalla et al. ARE0005							
Serial No.	Filing Date	Examiner	Group Art Unit				
Invention: LUMINESCENCE ASSISTED CARIES EXCAVATION							
	I hereby certify that the following correspondence:						
New U.S. Utility Paten	Application						
	(Identify type	of correspondence)					
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on April 16, 2001 (Date) RATRICE MICHELE POTTER (Typed or Printed Names of Person Mailing Correspondence) Light (Signature of Person Mailing Correspondence) EL 731283195 US ("Express Mail" Mailing Label Number)							
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